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In This Issue - Reports of Exploratory and Co-Exploratory Committees



MISSISSIPPI RIVER AT ROCK ISLAND



THE ILLINOIS ENGINEER, OCTOBER, 1954—VOLUME XXX, NO. 10

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Of Interest to I. S. P. E.

THE ILLINOIS ENGINEER—THIS MONTH

Reports of Exploratory and Co-Exploratory Committees

This month's issue of the ILLINOIS ENGINEER contains the reports of the Exploratory and Co-Exploratory Committees discussing the advantages and disadvantages of certain proposed changes to the organization and procedures of the I.S.P.E. These proposals are to be presented to the society membership by letter ballot for approval or disapproval.

Presented herein are (1) Exploratory Committee Report of March 26, 1953, (2) Report of Co-Exploratory Committee, (3) Letter of Sommerschild to Spicer of March 4, 1954, (4) Letter of Spicer to Sommerschild of March 10, 1954, (5) Report of Exploratory Committee of March 25, 1954, and (6) Sample Ballot to be presented to the membership.

The Exploratory Committee (originally, Committee to Study Lack of Growth) was appointed to, "make an analysis of our Society to determine causes for our lack of growth and to report to the Board of Direction the steps to be taken to overcome the situation." The Co-Exploratory Committee was appointed, "to study the report of the (original) Exploratory Committee in all its phases, coordinate it with the original thoughts of the recommendations, prepare it for presentation to the membership. . . ."

These matters are of grave importance to the Society and are printed for your information. READ, CONSIDER, AND VOTE.

W. A. OLIVER, Editor.

OFFICIAL NOMINEES FOR 1955

The Society's Nominating Committee made up of the Past Presidents Committee, R. G. Brichler, Chairman; A. D. Spicer and V. E. Gunlock, has announced the official nominees for the year 1955: for President, Dwain Wallace, presently Vice President, and for Vice President, Royce E. Johnson, Manager, Engineering Laboratories, Barber Colman Co., Rockford, Illinois.

The above is in accordance with the requirement of the constitution that the official nominees be announced in the October issue of the ILLINOIS ENGINEER.

GUNLOCK ADDRESSES ROCKFORD CHAPTER

V. E. Gunlock, Vice-President, N. S. P. E., and Chairman of the Board, Chicago Transit Authority, advocated a greater support for urban transit systems in a recent talk before Rockford Chapter. He stated that local transit is the most economical and efficient user of street space in any city and that 436,000 using local transit enter and leave the central business district of Chicago daily compared to 282,000 who travel by car and taxicab.

VOX SECRETARII

By P. E. ROBERTS, Executive Secretary

Office Moved

In July, the Executive Secretary's office was moved to its present quarters—614 East Green Street, Champaign. The Society had its beginning in Professor Baker's office with Professor Talbot the first Secretary. After that the office was located three years in Springfield, five years in Peoria, three years in Champaign, eight years in Chicago, eleven years in Wheaton and from 1924 when Secretary Emeritus Babbitt took over until 1950 the office was in Civil Engineering Hall on the Campus. In the spring of 1950, the office was moved to the building at the corner of Wright and Green Streets, Champaign, and this summer the move across the street to 614 East Green Street was made. If few moves is a measure of stability, then it can be safely said that the Illinois Society is on firm foundations.

Engineering Societies Personnel Service

The Executive Committee recommended and the Board approved the extension of the Engineering Societies Personnel Service contract for another year. It was pointed out to the Board that up to September 1 there had been 15 registrations at E. S. P. S. from the Illinois Society and three placements. It is to be noted that since such a large number of Illinois Society members are also members of Founders Societies that there may have been several I. S. P. E. members registered at E. S. P. S. as members of A. S. M. E. or one of the other Founder Societies. In any event, the mutually pleasant relationship between I. S. P. E. and E. S. P. S. which has prevailed during the past several years is to be continued.

Recodification of Drainage Laws

On August 20, a group of Illinois Society members met with members of the Bar Association Committee and others in the Union Building at Urbana to discuss the draft of the proposed Bill for an act to revise and codify the law in relation to drainage for agriculture, sanitary and mining purposes. The Illinois Society appreciates

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the time and work given by those who participated in the discussions at that meeting. Undoubtedly much time was saved for everyone because of this opportunity for the lawyers and the engineers to sit down together and work out their mutual problems. Several sections of the proposed code were referred to the Illinois Society Committee to discuss and advise the Bar Association Committee before the Bill is prepared for final draft. The Illinois Society Committee, George Farnsworth, chairman, met on September 11 and made its report to the Board of Direction on October 2. It is most gratifying to witness the representatives of two professions working closely together.

Replacement of State Water Survey Chief

A Resolution was adopted by the Board of Direction at its June meeting recommending that the Director of Registration and Education, the members of the Natural Resources and Conservation Board and the Governor appoint a registered professional engineer as chief of the State Water Survey if and when a new head is named. Letters from the Director, the Governor and members of the Natural Resources and Conservation Board have been received and were read to the Executive Committee and the Board of Direction at its October meeting. The Illinois Society voice is being heard and listened to in many places and by many people today.

Miscellany

Secretary Emeritus Babbitt has moved into an apartment on Queen Ann Hill with a view of Mount Rainier. The address is 1800 Taylor Street, Seattle 9, Washington. . . . Ten Refresher Course classes in preparation for the examinations November 9 and 10 are under way. . . . Unit Number Four of the Ladies Auxiliary held its Charter Night in Rockford on October 6. The Rockford ladies will play host to the ladies who attend the 70th Annual Meeting of the Society in Rockford next March 31, April 1 and 2, 1955. . . . Past President Gunlock talked to the Rockford Chapter the evening of September 15 on transportation problems. . . . Plans are being developed by Lyle Porter for a fall membership campaign. . . . Champaign County Chapter field trip on September 9 to the new Illinois Power Company Danville plant was televised over Station WCIA—one more first.

MacLEAN SPEAKS BEFORE CENTRAL ILLINOIS

Mr. Allen D. MacLean, Chief Products Engineer of the Mueller Manufacturing Co., spoke before Central Illinois Section at their regular meeting of September 23, 1954. The title of Mr. MacLean's address was, "The Story of Natural Gas."

FROM CHICAGO CHAPTER

Chicago Building Commissioner

Mr. John Dollio made an announcement regarding the appointment of the local Building Commissioner. At the present time the mayor is proposing to fill this position

with a man who is not a professional engineer registered in the State of Illinois. After considerable discussion, a motion was presented that the Executive Committee prepare a resolution to the mayor, requesting that the present ordinance requirements be followed in this regard and that the rules not be set aside that a man registered in the profession of either architect or engineer be appointed to the position of City Building Commissioner. This was voted and passed.

L. K. Crawford Speaks on Ethics

Mr. H. L. Sommerschild introduced Mr. Len Crawford of the Springfield Chapter and a partner in the firm of Crawford, Murphy & Tilly. He has been a member and chairman of the Ethics and Practice Committee of the I. S. P. E. for the past three years. Mr. Crawford spoke on the subject of "Professional Ethics." Engineers need to take a searching look at their organization. Progress requires that complacency cannot be tolerated. After the definition of "Ethics," Mr. Crawford pointed out that even the Egyptians and the early Chinese had extensive codes of ethics with regular rules as to when they would be publicly read.

Mr. Crawford gave the following statistics on the Illinois State Registration Law: There are 18,000, approximately, registered engineers of whom 16,000 are current. Of all of these licensees, only three have ever been revoked—one because an engineer was sentenced to the penitentiary, and the two others because they were committed to the state asylum. From this it is evident that the engineers are not policing their own organization and their own registration laws closely enough.

STATES ATTORNEY SPEAKS BEFORE ROCK RIVER

(Prepared by L. F. HOLSTEIN)

In a talk before the Rock River Chapter of the Illinois Society of Professional Engineers at the Loveland Community House, Monday evening, States Attorney James R. Bales cautioned the engineers, as well as all professional persons, against becoming so self-centered in their activities that they lose sight of their profession. The achievement of their professional status, stated Mr. Bales, is evidence of their ability of concentration, intelligence and reasoning power, but these attributes are frequently lost when the individual becomes self-centered in his work with no thought to the community.

Also very frequently, the professional person allows business to replace his profession and in so doing loses the respected standing of himself and his profession.

Mr. Bales concluded his talk by requesting the engineers to study the community problems, such as the forthcoming issue of the Health Department, in order that they be able to speak and act intelligently regarding these problems concerning the future of their community.

(Continued on page 14)

Reports of the Exploratory and Co-Exploratory Committees

REPORT OF THE EXPLORATORY COMMITTEE

Illinois Society of Professional Engineers

March 26, 1953

The work of the Exploratory Committee was started by correspondence between the various members of the Committee. On Saturday, January 10, 1953, a meeting of the Committee was held at the Chicago Engineers Club. It was hoped that we could correlate the information that had been obtained through correspondence and personal contact by the various members of the Committee at this meeting. This would have made it possible for us to present a report at the meeting of the Board of Direction held in Decatur on January 17, 1953, as scheduled. The members present deemed it advisable not to present a report to the Board meeting on January 17 without further substantiation of the evidence presented.

A three-point procedure was decided upon as follows:

1. To present an interim report to the Board meeting and request additional time to obtain more evidence.
2. To write a letter to each of the persons who had resigned during the past year, requesting that they inform us of their reasons for resignation.
3. To write a letter to a number of our members, who had been active leaders of the Society, requesting suggestions which, in their opinion, would stimulate the Society.

Some of the replies did substantiate the evidence presented at our Committee meeting.

The conclusion reached from our investigation is that our lack of growth is caused primarily by difficulties of administration which result from the fact that our officers are unable to devote full-time leadership.

It is the recommendation of this Committee, therefore, that the Society procure a full-time Executive Secretary; that the man selected preferably be an engineer; that he be a man with mature judgment, one capable of commanding a salary of from \$8,000-\$10,000 per year.

It is natural to question, "Who will pay for all this?" Several suggestions have been offered to defray this expense. We present four such suggestions which we deem appropriate:

1. The utilization of a portion of the bonds presently held as investments during the first year.
 - (a) It is the opinion of the Committee that a capable man would soon pay for himself.
2. To raise our dues.
3. A request for voluntary subscriptions from our membership.
4. The elimination of the Illinois Engineer in its present form. Its function could be more economically accomplished by a newsletter on State affairs similar to the Washington Letter as published by

N. S. P. E. on National affairs. Arrangement for the use of a number of pages each month in the American Engineer covering I. S. P. E. functions would supplement the Newsletter.

Many facets in the mechanics of making this change must be considered. This Committee recommends that the following steps be followed:

1. That the interim secretary-treasurer be chosen in accordance with Article VIII, Section 3 of our Constitution.
2. That a committee be appointed by the new President at the organizational meeting of the new Board of Direction Saturday morning.
 - (a) That this committee be charged with the responsibility of reviewing candidates for the position of Executive Secretary.
 - (b) That the committee present its recommendation to the Board of Direction at its next meeting.
 - (c) That the President call a special Board meeting, not later than June 15, for the consideration of this matter.

We further recommend that the office of the Society be moved to Springfield. This would facilitate the activity of the Society by virtue of central geographic location and proximity to legislative activity.

We further recommend that presently appointed officers be chosen by election by the membership of the Society.

It is recognized that the foregoing recommendations cannot be consummated without prior constitutional and by-law changes. We, therefore, recommend:

1. That the new President appoint a special committee to examine our constitution for changes required to facilitate these recommendations.
2. That this committee report to the Board of Direction at the same meeting as the committee for review of Executive Secretary candidates.

We recommend that this Report be read before the Annual Meeting to apprise the membership of its content. We further recommend that a record of the actions taken on each recommendation of this Report be read to the Annual Meeting.

It is the sincere desire of each member of this Committee that this Report will result in action that will prove of benefit to our Society.

The Committee wishes to acknowledge with thanks the financial support granted to this Committee by the Chicago Chapter.

Respectfully submitted,

THE EXPLORATORY COMMITTEE,

H. F. Sommerschild, *Chairman*

W. T. Hooper, Jr. J. R. Gardner

D. S. Magowan C. J. McLean

J. C. Dietz

REPORT OF THE CO-EXPLORATORY COMMITTEE

Illinois Society of Professional Engineers
Presented to Members of the Board of Direction
January 9, 1954

PREFACE

At the March 28, 1953 meeting of the 69th Board of Direction, the work of this committee was outlined as follows: "... to study the report of the (original) Exploratory Committee in all its phases, coordinate it with the original thoughts of the recommendations, prepare it for presentation to the membership (of the Society), working with all necessary committees of the Society ... and reporting to the Board."

This committee began by studying such correspondence as the original committee turned over to it in June of 1953. This correspondence consisted of letters written by Society members who had been asked to express their views concerning the general static condition of membership, and letters written by members who had become delinquent in dues and who had been asked why they had lost interest in the Society. The correspondence proved widely varied, and while some showed considerable thought (particularly that which was written by active Society members), others were inconsequential in content and ideas. In preparing this report, the committee feels that it has sifted out the constructive criticisms contained in these letters, and that due consideration has been given each point. It should be recorded, however, that all of the correspondence reviewed by the original committee was not passed on to this committee. It should also be noted that in the correspondence which was passed on to this committee, there was nothing which could be construed as an indictment of the administration of the Society, such charge having been made in the original committee's report and recorded in Appendix 6 to the minutes of the March 26, 1953 meeting of the 68th Board of Direction.

On October 31, 1953 this committee met in Peoria to discuss and evaluate studies which had been undertaken by various committee members with reference to specific recommendations made by the original committee's final report which was presented at the 68th annual business meeting on Friday, March 27, 1953. The basic recommendations in that report were as follows:

1. That the Society procure a full-time Executive Secretary.
2. That the office of the Society be moved to Springfield.
3. That the officers of the Society who are now elected by the Board of Direction be elected by the general membership.

There were other recommendations contained within the report, but they all pertained to the mechanics of carrying out the above recommendations.

The balance of this report will therefore discuss each of the above recommendations in the order listed.

1. EXECUTIVE SECRETARY

The original recommendation read as follows: "... that the Society procure a full-time Executive Secretary; that the man selected preferably be an engineer; that he be a man with mature judgment; one capable of commanding a salary of from \$8,000-\$10,000 per year." Inasmuch as the Society is now employing an Executive Secretary, this committee considered it within the scope of its study to define the responsibility and activity expected of the Executive Secretary. It was also felt that such a study should include the financing problems confronting the Society in reviewing the entire administrative functions.

a) The Executive Secretary, first of all, should be charged with the functions of the Society business office. All other employed personnel should be employed by him, and the matters of office operation are his responsibility. A capable office secretary and other clerical help as required should be employed to relieve him of routine work, and he should need concern himself only with matters of general supervision and in making decisions of importance. He should have enough help and sufficiently capable help to permit him to be away from the office for fairly long periods of time with the complete assurance that the routine business of the office will continue without interruption. It should be his responsibility to administer all office functions without having to devote time to detail work.

b) The Executive Secretary should be the Society's public relations manager. He should be able to speak effectively in public gatherings; he should be able to represent the Society at legislative affairs, at engineering conclaves, etc. He should be free to attend meetings and gatherings where it is important that the Society be represented, and he should be the type of individual who can further the Society in effectiveness and prestige wherever the situation permits. He should make it a point to be known and to have the friendship and respect of as many of the legislators as possible, and he should make it a point to be on a cordial footing with the Department of Registration. He is, in effect, a good-will ambassador. When the situation demands, he should also be in a position to contact legislators.

c) The Executive Secretary should be free to travel to the various chapters throughout the state. He should be able to sit in at chapter meetings, to confer with chapter officers, and to lend assistance and aid where needed. The Executive Secretary should be a "trouble-shooter" with time to devote to solving problems in areas where the chapters are in difficulty. This committee recognizes that attempting to define ways and means of handling various local chapter problems is beyond the intent of this report, but it feels that most local problems stem from lethargy on the part of chapter members, and that finding and correcting the cause of the lethargy is the

biggest single factor in correcting the condition, where it be a membership problem or something else. Personal contact with the membership-at-large as often as possible is desirable, and it should be part of the Executive Secretary's work to expand this field of activity.

d) The Executive Secretary should be free to concern himself with the problem of expanding membership. He should be able to devote time and effort toward solving the problem of breaking down resistance barriers, particularly among engineers, in the industrial field. This committee doesn't feel that we can expect any man to find the magic formula which will attract all engineers from all places into the Society, but it feels that the Executive Secretary should be able to devote much effort to the matter of growth, and that if he were free to pursue various paths of endeavor, the roster increase would be significant.

e) The Executive Secretary should be free to follow closely the work of important Society committees. He should be aware of what is going on at all times, and he should be able to render assistance where needed. Again, this is a rather general field of responsibility, and current circumstances will determine how extensive and time-consuming this function is at any given time.

f) The Executive Secretary should be given time to follow up leads which might develop into advertising accounts for the ILLINOIS ENGINEER. This committee does not feel that he should necessarily be charged with the responsibility of finding such advertising accounts, but he should be in a position to gather leads in his travels about the state, and to take advantage of such openings while in the area, and to develop the contacts. It is felt that such "missionary work" cannot fail to develop into more advertising in the magazine.

In outlining the various functions of the position of Executive Secretary, the committee feels that it has outlined an ideal toward which we can work, rather than one which can be effected immediately. The present organization of the Society does not have to be changed to carry out the program, but it becomes obvious that the financing of such a position is far beyond the Society's present financial capabilities.

The original Exploratory Committee report recommended four ways of functioning:

1. The utilization of the bonds presently held as investments to cover the first year's costs, after which it was expected that the Society's increased membership would produce sufficient revenue to continue.
2. Increase dues.
3. Voluntary subscriptions from the membership.
4. Eliminate ILLINOIS ENGINEER in its present form, substituting a monthly letter, or utilizing a page in the *American Engineer* for Illinois news.

This committee has rather exhaustively studied matters of finance. The 1953 budget set up an item of salaries of \$8100.00 to cover the salaries of the employed personnel (Executive Secretary and office secretary) and

\$50.00 to cover the salary of the Secretary, or a total salary expenditure of \$8150.00. An item of \$300.00 was included to cover the Executive Secretary's travel expense. Assuming that the office could function with one employee, other than the Executive Secretary, and further assuming that such employee would cost no more than at present (a highly doubtful situation) an Executive Secretary's salary in the range of \$10,000 annually would require a budget increase of approximately \$4000.00 on this one item alone. To cover necessary travel expenses for duties such as those which have been outlined would require a budget item of at least \$1000.00 more than is presently allocated, and even then the Executive Secretary would be curtailed in his travel. Moreover, it should not be overlooked that the Society pays the Executive Secretary's automobile travel charges at the rate of \$.03 per mile, and if an expanded program of travel were to be undertaken, the Society would unquestionably have to revise the figure upward to a minimum of \$.06 per mile. To be realistic, travel expenses of two or three thousand dollars annually would probably be required to carry out the duties which have been outlined. For the purposes of this report, however, the \$1000 increase in travel costs will be used as a basis of calculations. This indicates the need for a minimum of \$5000 per year to be provided as additional available funds to underwrite the items of salaries and travel costs.

It does not seem proper to suggest that the Society cash its investments to meet these expenses during the initial year of operation on this basis. At the present time the Society holds the following securities:

U. S. "G" Bonds.....	\$1500.00
6 Shares A.T. & T. Stock (\pm \$153 ea.).....	918.00
Total Value.....	\$2418.00

It is readily seen that cashing all of the securities held by the Society would serve for only about 50% of the first year's additional costs, and it would wipe out all of the Society's reserve funds. This committee does not feel that it is good business to wipe out all reserves and have nothing for the "rainy day." Without going further into the matter at this time, the committee feels that the suggestion of cashing bonds should be given no further consideration.

The second suggestion was to raise membership dues. If we do not include the engineer-in-training members, the junior members and the student members, we have at the present time about 1550 members of other grades who are paying \$10.00 annually into the ISPE treasury. If each of these were to pay an additional \$3.00 annual dues, we would realize an additional \$4650.00, or nearly enough to meet the additional cost. On top of the recent increase in N.S.P.E. dues, this proposal may meet considerable resistance from some individuals, but it appears to be the most satisfactory solution.

The third suggestion was to request voluntary contributions. This method of raising funds has been tried within the last few years and has proven unsatisfactory.

This form of fund raising is not sound, nor is it dependable as a source of income. Moreover, it places the officers of the Society in an untenable position if they are required to ask for donations to support the Society and makes it difficult for them to avoid granting special privileges to donors.

The fourth suggested method was that the ILLINOIS ENGINEER be eliminated in its present form and that a news letter be published in place of it, and/or that space be obtained in the *American Engineer* for the Illinois Society news. The latter suggestion has been eliminated from consideration by a letter from Mr. Paul Robbins, Executive Director, N.S.P.E., who wrote this committee to the effect that the present format of the *American Engineer* will not allow for such a page, nor would the editorial staff consider such a possibility, for if it were done for Illinois, it would have to be done for all other member state societies should they so desire. Such an editorial policy would unbalance the magazine, and would not be acceptable to the N.S.P.E. editorial staff.

THE ILLINOIS ENGINEER, in its present form, costs between \$3500 and \$3700 annually for the publication of eight issues with sixteen or more pages with an attractive cover and four summer issues of eight pages without a cover. The average cost for the sixteen-page issue was \$340.00 each in 1952 and \$320.00 per issue up to October 1953. The average cost of the summer eight-page issues was \$240.00 per issue in 1952 and \$232.00 per issue in 1953. Advertising revenues amount to \$1700 to \$1800 per year, which means that the magazine is published at a cost to the membership of \$1800 to \$1900 per year. In the event a news letter were published, the income from advertising would be lost, and although a news letter would probably cost about half of the cost of the eight-page issues of the ILLINOIS ENGINEER, it would still represent a publication cost of between \$1400 and \$1500 annually. The net savings, if we discontinued the magazine in its present form, would be \$300 and \$500 per year. At the present time the Editor is paid \$500.00 per year for his services. It is doubtful if anyone would publish a news letter for a smaller honorarium. It does not appear that the discontinuance of the ILLINOIS ENGINEER and the substitution of a news letter would result in a savings of any consequence. There are divided opinions as to the relative merits of the magazine, but insofar as this committee is able to determine, the majority of the Society members are in favor of continuing the magazine in its present form, and feel that it would have a serious effect on the membership and activities of the Society if the magazine were discontinued. It is suggested that if the Society membership exerted a genuine effort, advertising revenues could be increased to the point where the magazine became self-supporting, thus releasing \$1800.00 to \$1900.00 for other purposes.

A brief review of the salary costs in recent years indicates an interesting side-light. Beginning in 1948, the first full year in which the Society employed a Field Secretary (the forerunner of the present Executive Sec-

retary) the total expenditures for the administrative salaries are as follows:

1948.....	\$8950.87
1949.....	\$9312.53
1950.....	\$8108.34
1951.....	\$7548.29
1952.....	\$8019.15
1953.....	\$8130.00 (Projected thru December)

Applying the cost of living index of January 1948 (167.5) to August 1953 cost of living index (192.3) we find that on the basis of salary costs in 1948 we should now be paying salaries that approach \$11,500.00. Instead, we are paying considerably less than we did in 1948. By the same token, our income in 1948 was \$17,460.95 and in 1952 our income was \$17,843.08. It would appear that our 1953 income will be about \$18,200.00. In 1948 we spent \$630.77 for the travel of the Field Secretary; in 1953 we spent \$328.41 for travel of the Executive Secretary. ISPE dues have remained constant since 1946. Unfortunately, this committee does not have the cost of living index for that period, but the relation between 1948 and 1953 makes it clear that costs have risen on all levels, but that the Society has carried on a continually expanding program without greatly increasing its income. The proposal to raise ISPE dues, therefore, seems the only logical step toward obtaining further funds.

The original committee's recommendation that the Executive Secretary preferably be an engineer seems of little importance to this committee. The requisites of the position are basically those of a sound business administrator, a public relations manager and an organizer. As the functions of the position are not of an engineering nature, this committee does not feel that there is any particular prestige to be gained by the Society by having an engineer in the position of Executive Secretary. On the other hand, the committee sees no objection to filling the position with an engineer if he meets the qualifications of the job.

It is felt that there is no question of the dollar value to the Society of a man who can handle the work of the Executive Secretary as outlined above, and that the \$8000-\$10,000 figure set by the original committee would be a proper recompense. The fact remains, however, that such responsibility cannot be undertaken without sufficient travel expenses, and such a salary cannot be paid without sufficient funds in the treasury. It is felt that as the Society works out means of underwriting the costs of travel, the Executive Secretary will be able to bring about additional revenue which, in turn, will make it possible to pay a salary which is equitable.

There has been some question as to whether it was the intent of the original committee to change the organization of the Society to eliminate the present elected office of Secretary-Treasurer to that of Treasurer only, and that the constitutional duties of the Secretary should be taken over by the Executive Secretary. This committee has explored such action, and feels that such

action would be unwise. The present arrangement, wherein the Executive Secretary is an employee of the Society under the direction of the Secretary-Treasurer permits a workable arrangement wherein there is one member of the Board of Direction to whom he is responsible and who is continually available in the event of an emergency. Also, the present arrangement provides for rapid action and adjustment should the position suddenly be vacated or in case of prolonged illness. It is quite true that there is little need for a Secretary as long as the Executive Secretary is functioning, but the office of Secretary becomes important in the event the Executive Secretary ceases to function. This committee, therefore, feels that there should be no constitutional change in the office of Secretary-Treasurer.

2. RELOCATION OF OFFICE

The advantages and disadvantages of moving Society headquarters to an office in Springfield have been carefully considered. The pros and cons are as follows:

a) Advantages

1. In moving headquarters to Springfield, the Society would have its office in close proximity to the scene of legislative activities. It would be convenient for the Executive Secretary to contact legislators in connection with legislation affecting the engineering profession.
2. Geographically, Springfield is more centrally located than Champaign, and would, therefore, be more easily reached from other parts of the state.
3. There is a certain amount of prestige in having headquarters in the capital city of the state, and the legislators would be more aware of our existence were our office in the vicinity.
4. Rents and stenographic service are about comparable to those which the Society is now paying.

b) Disadvantages

1. In moving the office to Springfield for the purpose of being close to legislative activities, there may be some criticism, particularly on the part of the legislators, to the effect that the Society is primarily a lobbying agency. While the Society is definitely interested in legislation pertaining to the engineer, it does not want to be classified as a lobbying agency, for such a classification would be detrimental to prestige.
2. At the present time, a move from Champaign to Springfield would probably necessitate making different arrangements for the publication of the ILLINOIS ENGINEER. Editor Oliver has not been consulted, but this committee surmises that it would be difficult, if not impossible, to publish the magazine without the services of the office in close proximity.

3. There is a certain amount of prestige in having headquarters located at the seat of the State engineering schools. More and more students are being introduced to the Society through their visits to the Society office in order to procure examination reprints, and there is a growing awareness of professional responsibility among these young engineers. Ours is the only office of an important engineering organization near the University of Illinois campus, and as such is in a position to become an increasingly important factor in the professional development of the students. As the future of the organization depends upon the young engineer, it is vital that the Society take advantage of every opportunity to develop his interest.
4. The proximity of the Society office to the University campus has made possible the effective program of joint co-operation in establishing refresher courses for professional engineering examinations. Moving the office away from Champaign might not materially affect this program now that it has been established, but it is questionable as to whether the University would be able to work as closely with the Society as it has in the past.

This committee did not have complete unanimity of opinion after reviewing the above. In general, it felt that it made little difference where the actual business functions of the office were performed, be it Champaign, Springfield or Chicago. It did feel, however, that the advantages and disadvantages should be carefully weighed, and that under present conditions there should be no hasty decisions made. Moreover, the conditions of the lease are such that a rapid change would be impossible.

3. ELECTION OF BOARD MEMBERS

The original committee's recommendation read, "We . . . recommend that presently appointed officers be chosen by the membership of the Society." Inasmuch as there are no "appointed" officers of the Society, this committee has interpreted this as a recommendation to the effect that those members of the Board of Direction who are elected by the Board and the Secretary-Treasurer who is likewise elected by the Board be elected by letter ballot of the corporate members.

Under our present constitution, each Chapter elects its representative, the general membership elects the President and Vice-President, and at the first meeting of the year, the new Board elects the Secretary-Treasurer (the only officer so elected), two Directors to N.S.P.E., and the representatives to Illinois Engineering Council, the chairman of which group serves as a member of the Board. Therefore, the Board actually elects four of its own members.

It has been assumed that the intent of the original recommendation was to insure against a small group be-

coming a self-perpetuating group and unduly influencing the decisions of the Board of Direction in whom the management of the Society is vested. This committee has analyzed the structure of the Board and the reasons why it was originally set up in such a manner.

With sixteen chapters having elected representatives, and with the President and Vice-President and the Past President having been elected by all members, it would appear that there are nineteen representative members on the Board. When these nineteen members elect four others to serve as voting members of the Board, it seems far-fetched to think that the four could in any way make themselves a self-perpetuating group. On the other hand, the authors of the Society constitution, in their wisdom, saw fit to give these elected representatives this power. This committee has sought to determine the reasons for so doing.

Chapter representatives are elected for a two-year term, with one-half of the chapters electing their representatives in even numbered years, and the others being elected in odd numbered years. This means a complete turn-over every second year except for those who are elected for a second term. The only person who would be a three-year member would be the Past President, assuming that he had first served as Vice-President, as is customary. It seems important to the continuity of procedures that there be a historian, or keeper of the records, who knows what has occurred over the years and the results of previous actions by previous boards. Such a person should normally be the Secretary.

By providing for election of the Secretary-Treasurer by the Board, the authors of the constitution gave the Board the license to change the Secretary in any year it deemed it advisable, but it also insured against changing the Secretary promiscuously. Under normal circumstances, it is usually advantageous to the Board to have a Secretary who has served on the Board for a number of years. By granting to the Board the privilege of electing its own Secretary, the constitution permits the Board to determine the value of its Secretary.

In providing for election of National Directors by the Board, the authors of the constitution felt that the Board was probably in a better strategic position to choose Directors to N. S. P. E. than were the membership-at-large, for the simple reason that members of the Board have a more complete knowledge of the abilities and characteristics of a wider range of Society members than do any other group of members in the Society. The same is true of the election of the representatives to Illinois Engineering Council.

After having served on the Board for a short time, it becomes apparent to a new representative that there are individuals in various areas of the State who do more for the Society than do others. However, it is unusual for members in the southern part of the State to be familiar with those members who are outstanding in the northern part of the State and vice-versa, unless such information has come through the channels of the Board. With the feeling that the Board has a broader field from which to

choose representatives to N.S.P.E. and I.E.C. and feeling that such individuals must be chosen with care to provide the best possible representation, the election of these members has been constitutionally left to the Board. This committee concurs with the present practice and feels that it should not be changed.

This committee has agreed, however, that there is a loophole in the constitution which might lead to a situation which could possibly be undesirable. Section 2 of Article VIII defines the terms of office of the President and Vice-President as extending from the close of one Annual Meeting of the Society to the close of the next Annual Meeting of the Society. Section 3 of the same Article states that the Secretary-Treasurer, the Directors to N.S.P.E. and the Representatives to I.E.C. shall be elected annually by the Board at its first session following the Annual Meeting. This means that these particular Board members continue to serve until their successors are elected. It does not seem quite right that Board members who are elected by the other Board members should be given an opportunity to vote for or against themselves or their successors. This can be rectified by a constitutional change which will change Section 3 of Article VIII to read that the Secretary-Treasurer, the Directors to N.S.P.E. and the Representatives to I.E.C. shall be elected annually by those members of the Board of Direction who are elected by the general membership, namely: The President, Vice-President, Past President and the Chapter Representatives.

Such a constitutional provision should completely allay the fear that this group could in any way become a self-perpetuating group as it would insure their election by only those who are representing the members at large.

RECOMMENDATIONS

In the light of the above studies, this committee wishes to make the following recommendations:

1. That the Illinois Society of Professional Engineers work toward the end that the duties of the Executive Secretary be expanded to include the responsibilities outlined herein.
It is recognized that with our present financial status, such a program can be started, but it cannot be carried to completion without additional income.
2. That the annual dues of the Illinois Society of Professional Engineers be increased at least \$3.00, and preferably \$5.00, beginning January 1, 1955 for all dues paying grades of membership except Engineer-in-Training, Junior and Student which should remain at their present level.
Such action will provide necessary funds to carry out the work of the Society as outlined herein, and will provide funds to set up an annual budget based on realistic values.
3. That the matter of relocating Society headquarters from Champaign to Springfield be determined by the Board of Direction after weighing all factors,

such as rents, leases, employees, etc., but not until after such time as the corporate members of the Society have been given an opportunity to indicate their wishes in the matter by means of letter ballot.

4. That no change be made in the present method of electing the Secretary-Treasurer, the Directors to N.S.P.E. and the Representatives to Illinois Engineering Council, but that the Constitutional Amendments Committee be directed to revise Section 3 of Article VIII to provide that only the President, Vice-President, Past President and Chapter Representatives be eligible to vote on their election.
5. That a copy of this report and a copy of the original Exploratory Committee be mimeographed and sent to each corporate member of the Society, along with a letter ballot designed to permit voting on all of the points contained herein, such letter ballot to be for the guidance of the Board of Direction, but that the timing of all action which might be indicated by such ballots be left to the discretion of the Board of Direction.

Respectfully submitted,

Sidney Danoff
Lawrence J. Keenan
J. Holloway Morgan
Louis S. Pappmeier
Dwain M. Wallace
A. Douglas Spicer, *Chairman*

Mr. A. Douglas Spicer
138 Payson Street
Kewanee, Illinois

March 4, 1954

Dear Doug:

Our Exploratory Committee met at the Chicago Engineers Club, Saturday, January 23, to review the report of your Co-Exploratory Committee. Our Committee was unanimous in the opinion that the report you made was an excellent piece of work and desired that I compliment you and your Committee for the amount of work done. We submit the following suggestions, not in the spirit of criticism but only in an attempt to correlate our reports in order to facilitate actions at our annual meeting that will extend the benefit of our Society.

1. It was deemed advisable that you consider the deletion of the last two sentences of the second paragraph on page 1. This suggestion is offered because we feel the report identified as Appendix 6 in the minutes of the annual meeting really should not be included as a part of the record. This you will confirm if you read lines 25 and 26 on page 4 and the portion beginning with "It was moved by Mr. Pappmier, etc." down to the committee reports on page 5 of the minutes of the Board Meeting of March 26.
2. If you concur in the foregoing you will be agreeable to deleting the word "final" in the third para-

graph of page 1. In effect, there was only one report which was considered by the Board.

3. As a parenthetical observation our committee thought the outline of duties to be performed by our Executive Director was excellent. We very closely agree with this delineation.
4. Our committee did not concur with your conclusion as recorded in the second paragraph on page 4. We believe this method is appropos and would call your attention to the successful use of it by the Western Society of Engineers in the past year on its building project. We are of the opinion that if the membership prescribes to the program under consideration, they would not hesitate to underwrite the cost of it. We believe it proved unsatisfactory and unsuccessful for I. S. P. E. when applied to a building project to which the membership at large did not prescribe.
5. We questioned the validity of the statement "It is doubtful, etc." recorded in the fourth paragraph on page 4. Our committee can see no reason why the Executive Director cannot serve as Editor of our publication regardless of its form. This would make available the funds presently allocated to the Editor to help defray the expense of an Executive Director of the kind we propose and to which your committee doubtless prescribes judging from the qualifications you enumerated.

Our committee concurred in that a divided opinion exists regarding the merit of our magazine. We believe it would be appropriate to institute a review of the publication costs and spend some effort to place it upon a self-sustaining basis. It may be possible to produce an even better magazine if a review of editorial policy is made.

6. Referring to the first paragraph in Section 1, page 1, and paragraph 2 on page 5 of your report, our committee is still of the opinion that the man to be chosen for the position in question should preferably be an engineer. We agree it is not impossible that a man of other training could be found who would do a commendable job but we think an engineer would be better suited to understand the problems with which we are confronted. It is important, therefore, that preference be given to an engineer for the job.
7. We wish to clarify the position of our committee referred to in the last paragraph of Section 1 on page 5. We made no recommendation to change status of secretary-treasurer now elected by the Board of Directors. It may be found advisable to make this a subsequent action but we are not ready to make such a suggestion at the present. If a capable man is secured for the position of Executive Director, it may then be appropriate to pattern after the structure of the N. S. P. E.
8. Our committee concurs in all of the advantages out-

lined relative to moving the society headquarters to Springfield. We do not concur in the disadvantages designated as 3 and 4 in Section 2 on page 6.

We would call your attention to the implication suggested in disadvantage 3. You have indicated "schools" (plural). There are at least four major engineering schools in the state. We do not believe you propose to suggest that we have a society office at a number of locations.

We can see no need for proximity to the State University in regard to the "refresher course" program. It might be pointed out that a very effective program is in process in the Chicago area and no difficulty is experienced.

We concur in your decision that no serious effect would be noted regardless of where the headquarters is located. We did weigh the pros and cons seriously and made our recommendation based upon our investigation. It certainly would not be impossible to make such a change and should the membership elect to do so, it could be done in a relatively short time. The circumstances relative to the lease were considered and no unsurmountable problem seems to be presented. The mechanics of the details of moving the headquarters can be worked out by the Board of Direction or a special committee.

9. It is our opinion that it is a better policy to have the four Board members now elected by the Board of Direction, elected by the members at large. N. S. P. E. claims that its superior position when compared to E. J. C. is that membership in the national body is a personal matter and election of its officers is made by the individual members. We feel that we should be consistent in this regard. Our representatives to an N. S. P. E. and an Illinois Engineering Council should be elected representatives of the members just as other officers and board members are. The amendment you propose only serves to complicate the board meetings without providing the proper method of election. Since the membership voted this suggestion down at the annual meeting, why should we consider it further?
10. Recommendations: Our committee concurs in recommendations 1 and 2. We believe it would be advisable to revise 2 by simply establishing the increase as \$5.00. This suggestion is made because we fear a lack of agreement may result in no increase.

We do not believe the decision to relocate the headquarters is the prerogative of the Board. This decision should rest in the hands of the membership. We do not concur in recommendation 3. We recommend a poll of the corporate members by letter ballot.

We will accept recommendation 4 provided a stipulation that only elected members of the Board are to exercise the right to vote but recommend election by the membership as preferable.

We do not concur in recommendation 5. It would be a very costly procedure and we question the value it would have. Only a relatively few of our members would read the two reports. If they did not, it would nullify the value of the procedure.

In lieu of the above, we recommend that a letter ballot be sent to the membership relative to the points involved with as brief a statement as can be framed. That you review your report in the light of our comments and make appropriate adjustments or deletions.

In closing and for your information, we plan to supplement these comments with a brief report to the Board covering our activity. I trust, Doug, that you will recognize the sincerity of our committee in the foregoing. We trust your committee will not interpret any of our comments as trite. They are not intended to be so. We are most anxious to negotiate an equitable meeting of our minds which will bring benefit to our Society and all its members.

Sincerely,

H. F. SOMMERSCHIELD,

Chairman, Exploratory Committee

HFS/ce

P. S. It has been suggested that you call a meeting of both committees. Perhaps we could meet early on the morning of the first day of the Annual Meeting or some Saturday prior. You use your own judgment and I am sure my committee will do all possible to accommodate. I trust you will excuse the time which we have taken. I will explain fully when we meet.

HFS

Mr. H. F. Sommerschild
Preload Engineers, Inc.
111 West Washington Street
Chicago 2, Illinois

March 10, 1954

Dear Harold:

Your letter summarizing the thinking of the original Exploratory Committee was received Saturday, March 6, 1954. In view of the limited time remaining before the Annual Meeting, it does not appear possible to call a meeting of the Co-Exploratory Committee to discuss your report and then to meet with the original committee and go over the entire thing. Moreover, as discussed with you by telephone immediately following the January 9, 1954 Board Meeting, the Board of Direction voted that the original Exploratory Committee submit a report to the Secretary's office on or before March 1 for forwarding to the Board of Direction. In view of the late date at which the report was received, it may not be possible to reproduce it in time to forward it to the Board, although we will make such an attempt. However, I am going to take the liberty of reproducing your letter and forwarding it to the members of the Co-Exploratory Committee along with copies of this letter, and I am going to undertake to answer the points raised

in your report. The comments I am making herein are not necessarily those of the entire committee, as they have obviously had no opportunity to express themselves, but I feel that I am sufficiently familiar with the thinking of the majority of the committee that the opinions expressed will be upheld by them. I should like to take your comments in the same order in which they were listed in your letter.

1. The original report of the Exploratory Committee was discussed at length at the Board Meeting of March 27, and is made a part of the record as Appendix 6 to the minutes of the meeting. A revised report was submitted later in the meeting and is part of the record as Appendix 9. You may be technically correct in stating that the original version should not have been made part of the record in view of the action stated in lines 25 and 26 on page 4 of the minutes. Nevertheless, it is included in the record, and the charges that indicted the officers of the Society for lack of objective leadership are there for posterity to read. Those of us who were present at the time the report was presented are very much aware of the charge which was made, and whether it should or shouldn't be part of the record is immaterial. The charge *was* made; most active Society members are well aware of it; it is recorded in the minutes; and it would appear that this committee should state that no substantiating evidence of such charge was to be found in the correspondence which was turned over to it. To take it a step further, there was nothing in the correspondence which we examined which would substantiate the statement of the revised report which concluded that the lack of growth in the Society "is caused primarily by difficulties of administration which result from the fact that our officers are unable to devote full time leadership."

In view of the above, it is not felt that the reference should be deleted from the report of the Co-Exploratory Committee.

2. In view of the above paragraph, it is necessary to acknowledge that there were two reports considered, although action was taken only on the final report.

3. No comment required.

4. Raising funds for a building project through voluntary subscription is one thing. Raising funds for salaries is quite another. You indicate that the Western Society has been successful in raising funds for its building project. It might be well to point out that the Society voted against the purchase of the building in Champaign several years ago, but prior to the vote, a large share of the cost of such building had already been underwritten by voluntary subscription, and it was not anticipated that there would be much difficulty in raising the balance of the money required, particularly as it was being done through the sale of interest bearing bonds. However, if you analyze the results of the campaign to raise funds for a legislative analyst which was carried out only two or three years ago, you find an entirely different reaction. Mr. Spafford, of Springfield, traveled many miles and appeared before many chapters to ap-

peal for funds to underwrite the salary for a Legislative Analyst, and in spite of all efforts, the campaign was a miserable failure. No one could have worked harder than Mr. Spafford in his effort to raise funds, but it was clearly indicated that I. S. P. E. members will not underwrite salaries and similar intangible benefits on a voluntary basis. This would be further emphasized in that such voluntary subscription would, in all probability, be a reoccurring event over a period of several years.

5. If an Executive Secretary is to serve as such, he will not have time to serve as an editor also. It would appear that there is little recognition of the scope of work involved in publishing the ILLINOIS ENGINEER. It is not a job which is done in a few hours. Rather, it is an arduous, time-consuming chore. If the Society wants an Executive Secretary who will do the various things outlined in the report, the same man cannot be expected to publish a magazine. We cannot have our cake and eat it too.

6. The Exploratory Committee says "he should preferably be an engineer—but he can be someone else," the Co-Exploratory Committee says "he should be someone—perhaps an engineer." Some call it rhubarb, others call it pie plant!

7. The original report made no recommendation with reference to the Secretary-Treasurer, but there was some question in the Co-Exploratory Committee's minds concerning the status intended. The Co-Exploratory Committee nearly intended to clarify the point in its report. It should be noted, however, that I. S. P. E. is in no way obligated to follow the pattern of N. S. P. E. organization. As an autonomous State Society, we are obligated to maintain an organization which is best suited to our needs.

8. Paragraph 3 of Section 2, page 6 refers to State engineering schools meaning the various engineering schools located at the University of Illinois in Urbana. The engineering schools in Chicago have in relatively close proximity other engineering organizations, such as the Western Society. This committee has made no attempt to evaluate the relations of such organizations with the student engineers in those areas. It does feel that there is some merit in being close to the campus of the University of Illinois, and if it were possible, there would probably be merit in having branch offices at every engineering school. Perhaps someday, when every registered engineer is a member of I. S. P. E., such offices can be maintained. In any event, the committee feels that it is one of the points to be weighed in considering the recommendation that the Society office be moved.

With reference to "refresher courses," we wish to point out that it was the I. S. P. E. office which made the necessary arrangements for *ALL* refresher courses in which University of Illinois instructors are used, whether in Chicago, Moline or East St. Louis. Certain Society members, notably in Waukegan and Rockford, have run refresher courses without outside help, but those are the exception rather than the rule.

9. Again it may be pointed out that I. S. P. E. is an autonomous Society, and is not obligated to follow N. S. P. E. organizational policy which may not be applicable. The opinions of the Co-Exploratory Committee as set forth are the result of considerable study, and are not snap judgments. It is felt that the present practice has a sound basis and should not be changed. The recommended constitutional change admittedly tends to complicate the situation, but it does close a loophole which could conceivably create difficulty at some unforeseeable time.

10. It is suggested that the Board of Direction establish the amount of dues increase to be recommended. The individual members of both committees would unquestionably agree that a \$5.00 dues increase would be desirable, but the general membership, as represented by the Directors, might feel that \$3.00 is all that should be asked.

Recommendation 3 calls for a letter ballot of the corporate members concerning the relocation of the office which will determine Board action, but as all authority of the Society is vested in the Board it is very definitely their prerogative to make the decision as to when, where, how, etc. Apparently, your committee has mis-read the recommendation, for it clearly states that the Board shall not act until after a letter ballot indicates the wishes of the corporate members.

Your committee's acceptance of recommendation 4 with a stipulation that only elected members of the Board are to exercise the right to vote is not clear. If you mean that those members of the Board who are not elected by the general membership cannot vote as members of the Board on Board matters, then your acceptance of the recommendation is no acceptance at all. They are either Board members with full Board member status, or they are not Board members. There can be no middle road.

Your disagreement with recommendation 5 and your suggestion that there be a brief statement covering the points involved raises one question. How can this big subject be covered with a brief statement? In order to present all facts and data, we believe that full reports must be made available to the membership.

I regret that time limitations make it impossible to have both committees meet prior to the annual meeting. You will remember that in our telephone conversations, I suggested that both committees meet sometime in February—preferably the early part of the month, in view of the deadline of March 1 that the Board had placed on a report from the original committee. With only two weekends left until the annual meeting, I find business commitments will tie me up both weekends.

There is no point in trying to have a meeting of the two committees at the Annual Meeting, for there won't be available time, and at that late date there couldn't be anything accomplished.

I trust you will see the position I have taken on the above. I believe it is also the opinion of the committee.

Our approach was as analytical as we could make it, and I personally believe that it has rather completely covered the situation in an impartial way.

Cordially yours,

A. D. SPICER,

Chairman, Co-Exploratory Committee

REPORT OF EXPLORATORY COMMITTEE

To the Board of Directors of
Illinois Society of Professional Engineers
March 25, 1954

The Exploratory Committee met at the Chicago Engineer's Club Saturday, January 23, to review the report of the Co-Exploratory Committee.

We have submitted comments relative to this report to the chairman of the Co-Exploratory Committee suggesting certain deletions and alterations, attempting in all cases to give valid reasons for each suggestion.

Our committee was of the unanimous opinion that the work of the Co-Exploratory Committee represented a tremendous amount of excellent work. We have so indicated to their committee and wish to reaffirm our opinion to the Board of Direction.

It was noted that the two committees are in general agreement on some of the major points under question. The following comments are submitted for your consideration in regard to the basic recommendations proposed by our committee last year:

1. There is apparent agreement that we need the service of a full time Executive Secretary with greatly expanded duties and responsibilities and that the Society should begin work on such a program. This was supported by the vote of the members present at our last annual meeting. We recommend, therefore, that a letter ballot be sent to the corporate members, requesting their approval of such a program.
2. There was partial concurrence in their report that the Society office should be moved to Springfield. This was also supported by the vote at the last Annual Meeting. We recommend, therefore, that a letter ballot be sent to the corporate members requesting their approval of such a move.
3. There was no agreement regarding the election of those officers, now elected by the Board, being elected by the membership and our recommendation was voted down at the last Annual Meeting. A counter proposal was offered by the Co-Exploratory Committee to overcome the apparent loophole in the constitution relative to these officers. Our committee agrees that some action may be necessary to correct the situation. It is apparent there is difference of opinions on this point. It is still our opinion that the N. S. P. E. and Illinois Engineering Council representatives should be elected by the membership. We recommend therefore, that a letter

ballot be sent to the corporate members. That this ballot present both the idea of election recommended by the Exploratory Committee and the idea recommended by the Co-Exploratory Committee.

4. The Co-Exploratory Committee recommended that the annual dues of the Society be raised. Our committee concurs. We recommend, therefore, that a letter ballot be sent to the corporate members requesting their approval of such action and that the amount of such increase in dues shall be \$5.00 per year.
5. We do not believe the final recommendation of the Co-Exploratory Committee is practicable. Such a procedure would be very costly and it is the opinion of our committee that a very few of the members of the Society would take time to digest the contents of these reports. We do believe the membership should be informed of the factors involved. We recommend therefore, that a brief statement be prepared presenting the principal points of each committee report.

We have appended hereto a proposed composition of the ballot to be presented to the corporate membership and recommend its adoption by the Board of Direction.

Our original report stated that it was the sincere desire of our committee members that our report would result in action which would benefit our Society. We continue to hold this desire.

Respectfully submitted,

EXPLORATORY COMMITTEE,

H. H. Sommerschild

D. S. Magowan

Wm. Hooper, Jr.

J. R. Gardner

C. J. McLean

"The Great I Am"

I am the producer of all good things in life. Without me mankind must fail of happiness; the sources of the world would be empty and without value.

I am back of every fortune, every art, every science, every advancement that man has ever made. Rich and poor alike have tried to dispense with me, but in doing so, have lost the very heart of happiness for which they sought. Because the creator is ever greater than the created, so am I greater than wealth, fame, power, or any other acquired possession of men. Without me there can be no riches, no learning, no achievement.

I am the great developer of power—the one agency which calls forth hidden forces of mind and body.

I am *Work*. —*Tnemec Times*.

God grants liberty only to those who love it, and are ready to guard and defend it. —*Daniel Webster*.

— SAMPLE BALLOT —

Illinois Society of Professional Engineers

BALLOT

1. Do you approve of the Society retaining an Executive Secretary, preferably an engineer, who will be given greatly expanded duties and responsibilities?

YES _____ NO _____

2. Do you approve of moving the office of the Society to Springfield, Illinois?

YES _____ NO _____

3. NOTE: Vote "Yes" for only one of the propositions offered under Question 3.

Do you approve of the election of the Secretary-Treasurer, the Representative to N. S. P. E. and the Representative to Illinois Engineering Council?

**a) By the corporate (State and National) membership?

YES _____ NO _____

**b) By those members of the Board of Direction who were elected by the corporate membership?

YES _____ NO _____

c) By all members of the Board of Direction present and voting?

YES _____ NO _____

- **4. Do you approve of the increase of \$5.00 per year in the dues of the Society?

YES _____ NO _____

NOTE: Approval of questions marked with asterisks (**) will require constitutional amendments.

— SAMPLE BALLOT —

COST OF LIVING INDEX

The cost of living correction factor to be applied to the I. S. P. E. Schedule of Minimum Fees and Salaries is based upon the Consumer Price Index of the 1947-49 average as determined by the Bureau of Labor Statistics. On the 1947-49 base the correction factor for August, 1954, is 115.0.

For those who are still using the old schedule the correction factor is 192.3 based upon the 1935-39 average.

I hold every man a debtor to his profession; from the which as men of course do seek to receive countenance and profit, so ought they of duty to endeavor themselves by way of amends to be a help and ornament thereunto.

Sir Francis Bacon

ENGINEERS MEET AT HILLSBORO

(Prepared by LeVERNE HUDSON)

Ernest Hurst and Alfred Roche were hosts to 55 members and guests at the I. S. P. E. Capital Chapter meet on August 24, 1954, at Hillsboro. The event marked the first summer sport outing for the chapter.

Featured by the Hillsboro hosts were a barbeque luncheon at Lake Hillsboro followed by a golf tournament social hour, and dinner at the Country Club. Winners of the golf tournament included: Ernest Hurst, low gross score; G. Wilcoxon, high gross score; Louis Lush, No. 1 low net score; Robert Watson, No. 2 low net score; Glen Shafer, No. 3 low net score; Herschel Hill, No. 4 low net score; J. L. Bremmer, No. 5 low net score; and Carl Dalrymple, No. 6 low net score.

David Abbott, Capital's vice-president, presided over the evening dinner. Arthur Kessell was program chairman. Organizations that assisted in making arrangements for the day included Standard Concrete Pipe Company, The Portland Cement Association, The Southern Illinois Contractors Association, and Hurst-Roche Incorporated.



Left to right, standing: Dennis Rimbolt, E. S. Ryneanson, J. L. Bremmer, "Al" Roche, Carl Dalrymple, "Art" Kessell, "Bob" Watson, Herschel Hill, Constantine Passialis. Below: "Don" Magowan, "Chuck" Nelson, "Al" Mracek and Emil Tiona.

ANNOUNCEMENT OF THIRD ILLINOIS STRUCTURAL ENGINEERING CONFERENCE

The Department of Civil Engineering, University of Illinois, has announced the "Third Illinois Structural Engineering Conference" to be held in Urbana on December 6, 7, and 8, 1954. The Conference is sponsored jointly with the Division of University Extension. Registration fee will be \$5.00.

The program will be printed in the November issue of this magazine. For further information and for registration blanks, write to Professor R. K. Newton, Division of University Extension, 116 Illini Hall, University of Illinois, Urbana.

KEWANEE-ROSS CORPORATION PUBLISHES BOOKLET

A booklet giving complete information of the Kewanee Reserve Plus Rating Plan has just been published by Kewanee-Ross Corporation of Kewanee, Illinois. It is titled, "A Report to Those Concerned with the Specification, Selection, Sale of Steel Firetube Boilers." The booklet has been published as part of a full-scale campaign Kewanee-Ross has been waging on rating methods. The campaign was originally inaugurated under a theme, "The Big Truth About Boilers."

Kewanee has received enthusiastic reports from all segments of the industry on its Big Truth campaign and the Kewanee Reserve Plus Rating Plan. The booklet, published by Kewanee-Ross, is offered free of charge, and can be obtained by writing Kewanee-Ross Corporation, Kewanee, Illinois.

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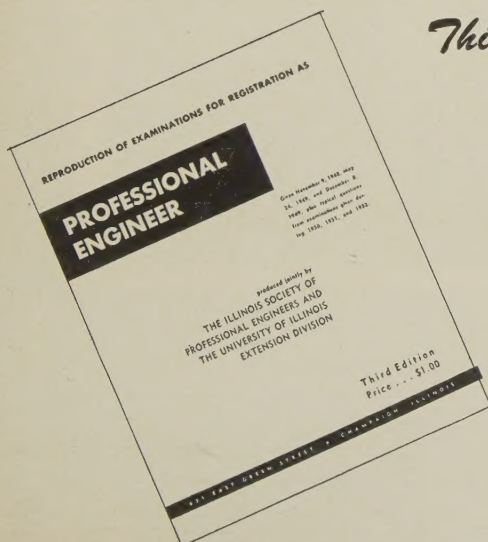
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SPECIAL ANNOUNCEMENT

Starting with Wednesday night September 22nd, 1954, the Chicago office will again be open every Wednesday evening until 7:15 P.M. for your convenience. Come on in and make these nights work to your advantage in finding **THAT** position you would like to have or for getting **THE** engineer you need. BONNELL H. ALLEN

MEN AVAILABLE

Development. M.E. 42. Sixteen yrs. planning development programs and supervise their execution covering R.R. equipment, structural, parts, plastics, and aircraft. \$18,000. Midwest. 971 PE

Factory Mgr. M.E. 35. Six yrs. in charge of production and maintainance in metal molding and automobile accessories mfg. Four yrs. production control manager for office equipment mfr. Three yrs. in tool work for mfr. of ammunition and hydraulic equipment. \$7200. Chicago. 972 PE

Field Engr. or Estimator. 54. Better than twenty-seven yrs. doing drafting, design, engineering and field work in R.R., pipeline, construction and machinery mfg. fields. \$5400. Midwest. 973 PE

Ind. Mgmt. C.E. 25. Thirty-four mos. design and detail reinforced concrete and steel structures. Resp. for design and supervision of all draftsmen. \$4600. Midwest. 974 PE

Designer. E.E. 27. Three yrs. design and application of electronic, pneumatic and hydraulic control systems. \$7200. Midwest. 975 PE

Exec. Asst. M.E. 28. Thirty-three mos. charge of control section of research and development dept. Four yrs. conducting static and dynamic tests of structures under simulated service conditions. \$7500. Midwest. 976 PE

Development E.E. 38. Eight yrs. doing traction motor and generator insulation build-up improvement. Fourteen mos. supervise records connected with installation of diesel engine propulsion eqpt. One yr. locomotive wiring diagrams for instruction books. \$6000. Midwest. 977 PE

Ch. Structural Engr. C.E. 46. Three yrs. supervision of structural design of blast furnaces. Eight yrs. designing, checking, drafting in structural steel and reinf. concrete. \$8500. Chicago. 978 PE

Ind. Mgmt. Engr. 41. Four yrs. doing plant survey, layout, cost controls, standards, clinical testing, incentives, time and motion study. Three yrs. recondition war surplus machy. \$7500. Midwest. 979 PE

Factory Mgr. 55. Eight yrs. make surveys,

installation methods, wage incentives, job evaluation and merit ratings. Seven yrs. installed wage and material controls, methods and personnel selection. \$7500. Midwest. 980 PE

Field Engineer. 28. Five yrs. layout and erection of foundations. \$5000. Midwest. 981 PE

Elec. Engr. E.E. 34. Three yrs. development engr. Ready project for production, correct problems and meet specifications. Two yrs. repair damaged metal structure on vehicles. \$6500. Chicago. 982 PE

Development. M.S., M.E. 23 yrs. charge of government and industrial research and development projects. Three yrs. project leader on heat transfer studies on cements and concrete and defrosting and ice prevention projects. \$7000. Midwest. 983 PE

Maintenance M.E. 29. Four yrs. supervise maintenance and alterations of public buildings. Eleven mos. heating, ventilating and air cond. design. \$5000. Chicago. 984 PE

Asst. Prof. M.S., M.E. 36. Two yrs. develop gear transmissions, etc. Seven yrs. design and test mechanical units. One yr. taught strength of materials and mathematics. \$5000. Midwest. 985 PE

POSITIONS AVAILABLE

Construction—Paper Mills. 5 plus yrs. in paper mill design and layout. Knowledge of paper mill operations. Duties: Supervise office end of construction project on designing, laying out and building of new paper mill. RUSH JOB. For a manufacturer of paper. Salary: \$700-\$900 per mo. Employer will negotiate fee. Location: Texas. C-2093

Sales Elec. Eqpt. Age: Up to 35. Recent grad. or better some knowledge of adjustable speed controls for motors and clutches. Know: of power equipment helpful. Duties: Sales engr. or application work calling on industry in general. Eqpt. small to large sizes. E.E. or M.E. with electrical eqpt. knowledge preferred. Salary: \$350-\$600 mo. plus. Loc.: Chgo., Mich., Ohio, or Wisc. Travel 20%. Car req'd. Employer will pay fee. C-2162

Sales Manager—Tanks. Age: up to 43. 2 plus yrs. exp. in sales of steel tanks, pressure vessels. Knowledge of markets and sales management. Duties: supervising national sales of steel tanks, pressure vessels, etc. For a manufacturer of tanks. Salary: \$10,000 to \$15,000 per yr. Employer will negotiate fee. Loc: Chgo. Some traveling. C-2164

Machine Designer. M.E. Age: 28-35. 5 plus yrs. exp. in light automatic machine design. Knowledge of elec. machine wiring and

control circuits, project work on special machine design. For a machinery manufacturer. Salary: \$6000-\$6500. Employer will negotiate fee. Loc.: Chicago. C-2174

Teacher. M.S. M.E. Some teaching exp. desirable. Knowledge of heat transfer, power and mechanics in general. Duties: instructing classes in heat transfer, power and mechanics to undergraduates. Should have good industrial background. For a university. Salary: \$5000 to \$6000 for 10 mos. Location: No. Indiana. C-2183

Resident Engr. C.E., M.E., or E.E. Age: 35-50. 10 plus yrs. exp. in industrial and power plant construction. Know: power plant equipment and construction. Duties: Supervising construction engineer-architect. Sal.: \$6000-\$7000. Loc.: Wisc. Employer will negotiate fee. C-2186.

Project Engr. Age: 25-35. 3 plus yrs. with an engine builder, gasoline or diesel, in development work. Know: electro-mechanical mechanisms. Duties: Design layouts, to own board work, customer correspondence, and project work in general for automatic controls for engines. Know: of aircraft engines usable. For mfr. of controls. Salary: Up to \$115 week. Location: N.W. Chicago suburb. Employer will neg. fee. C-2188

Sales Chem. Eqpt. Age: 25-45. 2 plus yrs. exp. in power plant or water treatment fields, and preferably sales end of it. Know: power plant and boiler operations. Duties: selling boiler, power plant, and water treating eqpt. and accessories. For mfr. of boiler eqpt. Salary: \$5000-\$7000 yr. plus bonus. Loc.: Chicago. Employer will pay fee. Travel 20%. Car req'd. C-2189

Machinery Designer. Age: up to 50. 5 plus yrs. exp. in designing small stampings and small mechanisms. Know: Shop practice. Duties: designing small stampings and mechanisms for wire and tape recorders, record players, etc. For mfr. of recorders. Salary: \$150-\$160 week. Location: Chicago. C-2191

Ch. Electronics Engr. E.E. Age: 32-40. Probably now employed as asst. or sr. electronic engr. with some well-known radio-TV mfrgr. Exp. in radio-TV design and development engr. Report to Ch. Dev. Engr. and supv., assign resp. to and guide activities of the engr. in the black and white TV, color TV, home radio, and auto radio depts. Should have administrative as well as technical ability and an aggressive personality. For a radio-TV mfr. Salary: \$11,000-\$13,000. Loc.: Chicago. Employer will neg. fee. Very little traveling. C-2192